

1 **CLAIMS**

2 What is claimed is:

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4 Claim 1. A biological assay material for detecting the
5 presence of a particular toxic substance comprising:

6 a base layer defined as a flexible film having two
7 surfaces;

8 at least one biologically active ligand immobilized to one
9 of said surfaces of said flexible film, said ligand having a
10 degree of affinity for a particular toxic substance; and,

11 a dye conjugated to at least one peptide in contact with
12 said ligand for which said biologically active ligand has a
13 degree of affinity;

14 whereby binding of the particular toxic substance and
15 biologically active ligand produces a visual signal which is
16 indicative of both the presence and identity of said particular
17 toxic substance.